

Application No. 09/903,290

VERSION WITH MARKINGS TO SHOW CHANGES MADE

Target: . . . CGCAA TAGCC TAGCA GT(c)GC . . . (SEQ ID NO: 1)  
. . . GCGTT ATCGG ATCGT CA(g)CG . . .

Primer: 5' - CGCAATAGCCTAGCCACTTG-3' (SEQ ID NO: 2)

Probe: \*ACLA001-5' - CAAGTCGTcGC -3' (SEQ ID NO: 3)

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\* eTag fluorescent group: Fluorescein(C<sub>6</sub>P)<sub>1</sub> (ACLA001)  
^ indicates site of cleavage  
c indicates base complementary to SNP locus

Target #1:

Target: . . . CTAGCAGT(c/g) G CAGGATACTG ACCTGCGC. . . (SEQ ID NO: 4)  
. . . GATCGTCA(g/c) C GTCCTATGAC TGGACGCG . . .

Primer: 5' - CAAGTCGGAT ACTGACCTGC AT-3' (SEQ ID NO: 5)

Probes: 5' - GTcGCCACTT G-3' - ACLA001\* (SEQ ID NO: 6)

5' - GTgGCCACTT G-3' - ACLA016\* (SEQ ID NO: 7)

Target #2:

Target: . . . GAGATCCA(c/g)CAGCA AAGTC CGAGT CGGT . . . (SEQ ID NO: 8)

. . . CTCTAGGT(g/c)GTCGT TTCAG GCTCA GCCA . . .

Primer: 5' - CAAGTACCAA AGTCCGAGTC GAA -3' (SEQ ID NO: 9)

Probes: 5' - CAcCACTACT TG-3' - ACLA018\* (SEQ ID NO: 10)

5'-CAGCACTACT TG-3'-ACLA019\* (SEQ ID NO: 11)

\* indicates eTag fluorescent groups(all containing Fluorescein):

ACLA001: Fl(C<sub>6</sub>P)<sub>1</sub>-oligonucleotide

ACLA016: Fl(C<sub>6</sub>P)<sub>1</sub>(C<sub>3</sub>P)<sub>1</sub>-oligonucleotide

ACLA018: Fl(C<sub>6</sub>P)<sub>1</sub>(C<sub>3</sub>P)<sub>2</sub>-oligonucleotide

ACLA019: Fl(C<sub>6</sub>P)<sub>1</sub>(C<sub>3</sub>P)<sub>3</sub>-oligonucleotide

^ indicates site of cleavage

c or g indicates base complimentary to SNP locus